This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-18 (canceled).

Claim 19 (new): A method for transmitting data from a transmitter to a receiver operating in accordance with the Universal Mobile Telecommunications System standard (UMTS), comprising performing inband signaling of information relevant to the UMTS base station (BS) at the MAC layer level.

Claim 20 (new): The method according to claim 19, further comprising introducing a plurality of signaling transport blocks (STB) for signaling between a user terminal equipment (UE) and a particular UMTS base station (BS) at the MAC layer level.

Claim 21 (new): The method according to claim 20, wherein at least one signaling transport block (STB) is multiplexed within the transport blocks of a transport channel that are to be transmitted.

Claim 22 (new): The method according to claim 19, wherein a dedicated or common transport channel is used.

Claim 23 (new): The method according to claim 20, wherein at least one signaling transport block (STB) transmits, in the field (TN UL), an uplink transmission number which is used for tracking the transmission status in the uplink, said field being k bits long.

Claim 24 (new): The method according to claim 20, wherein at least one signaling transport block (STB) transmits, in a field (TN DL), a downlink transmission number which is used for tracking the transmission status in the downlink, said field being k bits long.

Claim 25 (new): The method according to claim 20, wherein at least one signaling transport block (STB) transmits a field (Poll) in order to request an acknowledgment of successful transmission of a signaling transport block within a specified time from the receiver, said field being k bits long.

Claim 26 (new): The method according to claim 20, wherein at least one signaling transport block (STB) transmits a field (MT) in which a message type is specified which is transmitted in the following message part, said field being 1-bit coded.

Claim 27 (new): The method according to claim 20, wherein at least one signaling transport block (STB) transmits a field (MP) in which the message is transmitted which specifies the associated field (MT), and the field has a variable length of m bits depending on the type of message to be transmitted.

Claim 28 (new): The method according to claim 20, wherein at least one signaling transport block (STB) transmits a field (Flag) which indicates whether a field (MT) is transmitted in the subsequent field, and the field is 1-bit coded.

Claim 29 (new): The method according to claim 20, wherein a signaling transport block (STB) transmits a field (Pad) which is used for padding out the unused part in the MAC Service Data Unit (MAC SDU) with dummy bits.

Claim 30 (new): The method according to claim 20, further comprising exchanging, in the signaling transport block (STB), various radio resource control messages between the base station (BS) and a user equipment (UE).

Claim 31 (new): The method according to claim 20, further comprising introducing, in the MAC header, a data field (D/C) that indicates the type of a particular transport block.

Claim 32 (new): Method according to claim 31, wherein a 2-bit coded data field (D/C) is added.

Claim 33 (new): A communication system, comprising:

at least one base station (BS), which is controlled by a higher-order radio network control entity (RNC); and

a radio cell (CE) served by the base station (BS) in which there exists a communications connection between the base station (BS) and at least one user terminal equipment (UE) over an air interface (Uu) with a UMTS protocol structure,

wherein a plurality of RRC functionalities are disposed in the form of at least one control and/or data processing means transferred from the radio network control entity RNC to the base station (BS).

Claim 34 (new): the communication system according to claim 33, further comprising a signaling means is provided in the base station and the user terminal equipment in order to create suitable signaling.

Claim 35 (new): The communication system according to claim 33, further comprising a plurality of special signaling transport blocks (STB) and two different transport block formats are provided.

Claim 36 (new): A computer program product including a memory for storing instructions that when executed by a data processing system, allows said data processing system, in conjunction with a communication system to appropriately implement according to a UMTS standard, the method according to claim 1.